

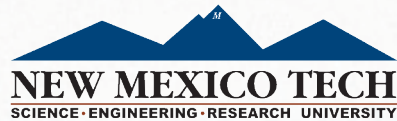
# BROCHURE PROPOSAL

## What is MASTS Special Program?

The Master of Sciences for Teachers Special Program is specially designed for scholars from Latin American institutions focus in Mexico. The MASTS programs is a hybrid program with distance education and as well as courses in residency in the beautiful New Mexico Tech campus (this Program also combines Spanish classes with readings in English).

The MASTS special programs is designed to provide graduate level classroom and laboratory instruction for teachers of STEM Education such as science, mathematics, engineering, and/or technology.

## Cultivating Academic Minds Through the Power of Knowledge and STEM Education



Master of Sciences for Teachers  
Special Program (MASTS)  
(English — Spanish)

### RESEARCH OFFICE'S LATIN AMERICAN INITIATIVES

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RESEARCH OFFICE'S LATIN AMERICAN INITIATIVES  
PSYCHOLOGY & EDUCATION DEPARTMENT

# Master of Sciences for Teachers Special Program (MASTS) (English — Spanish)

## THE CORE OF THE MASTS PROGRAM

Master degree students are encouraged to develop laboratory exercises, demonstrations, and teaching methods from the course content and apply these as projects in their own classrooms during the academic year. The emphasis of the courses is on content, rather than pedagogy.

Courses for the participants are offered in a variety of disciplines and are taught by New Mexico Tech faculty, some of them in Spanish for Latin American Scholars focus in Mexico. Classes build on fundamental principles and offer new concepts and novel teaching methods. Courses are offered throughout the year via distance instruction and as live courses on the New Mexico Tech campus.

“The Master of Sciences for Teachers Program at NMT has had a huge impact on me professionally, personally, and academically. The professors did an outstanding job of individualizing the course projects and assessments so I could apply it directly to my classroom.

Scott Larson, Class 2016.

### I. Mission Statement

Teacher enhancement -training of teachers in STEM (Sciences, Technology, Engineering, and Math) content areas will enrich the classroom experience of students, with the expectation of increased math and science literacy of all students and increased student

### II. Program Prerequisites

A bachelor degree with at least one year of teaching experience. The Program encourages individuals to hold a valid teaching certificate when appropriate.

### III. Credits Requirements and Transfer Credit Policy

30 credit hours are required to earn the Master of Sciences for Teachers Degree. There are 6 prerequisite survey courses.

A maximum of 12 credit hours of course work with grade B or better, earned at another accredited institution, may be approved by the student's advisory committee for transfer to the MST program. To be approved, credits must not have been used to satisfy the requirements for a previous degree.

### IV. MASTS Courses

Residency MASTS courses are offered during the summer in two-week, intensive segments.

Typically, a course from each distribution area (Math, Chemistry, Physics, Biology, Geology, and Engineering/Computer Science/Economics) is offered during each session.

The majority of courses during the academic school year (Spring and Fall) are offered via distance learning.

Most MASTS courses are two credit hours, meeting at least 30 contact hours. One credit hour courses must meet at least 15 contact hours.

### V. MASTS fundamentals

- Earn a prestigious Master's degree while you work full-time as a teacher
- Add science endorsements to your professional career
- Take some classes in Spanish, all of them are in English with readings in the same language.
- The majority of classes online on your own schedule
- Take two full weeks residency in the beautiful campus of New Mexico Tech
- Learn Science/Math/Engineering from professors engaged in cutting-edge research